

CLAIMS

1. A process for preparing an aqueous dispersion, characterized by subjecting (meth)acrylate containing a polyfluoroalkyl group and a polymerizable monomer containing no fluorine atom to an emulsification treatment in the presence of a surfactant and a polypropyleneglycol-based compound having a molecular weight of 250 to 5,000, followed by copolymerization reaction in the presence of a polymerization initiator.
2. A process for preparing an aqueous dispersion according to Claim 1, wherein the (meth)acrylate containing a polyfluoroalkyl group is contained in a proportion of at least 10 wt. % on the basis of the resulting copolymer.
3. A process for preparing an aqueous dispersion according to Claim 1, wherein the (meth)acrylate containing a polyfluoroalkyl group is a (meth)acrylate containing mixed perfluoroalkyl groups including perfluoroalkyl groups having 12 or more carbon atoms as a polyfluoroalkyl group.
4. A process for preparing an aqueous dispersion according to Claim 1, wherein the polymerizable monomer containing no fluorine atom is (meth)acrylic acid ester, dialkyl ester or vinyl ester of fumaric acid or maleic acid or vinyl ester.
5. A process for preparing an aqueous dispersion according to Claim 4, wherein the (meth)acrylic acid ester is lauryl acrylate, stearyl (meth)acrylate, cyclohexyl methacrylate or benzyl methacrylate.
6. A process for preparing an aqueous dispersion according to Claim 5, wherein as the (meth)acrylic acid ester stearyl acrylate is used alone or in combination with cyclohexyl methacrylate or benzyl methacrylate.
7. A process for preparing an aqueous dispersion according to Claim 1, wherein the surfactant is a polyethylene oxide-based nonionic surfactant

or a cationic surfactant.

8. A process for preparing an aqueous dispersion according to Claim 1, wherein the polypropyleneglycol-based compound is polypropyleneglycol, its terminal monomethyl ether or glycerin · polypropyleneglycol adduct.

9. A process for preparing an aqueous dispersion according to Claim 1, wherein a polymerizable monomer containing a cross-linkable group is further copolymerized.

10. A process for preparing an aqueous dispersion according to Claim 9, wherein the polymerizable monomer having a cross-linkable group is acrylamide or its derivatives, or glycidyl (meth)acrylate.

11. An aqueous dispersion prepared by a process according to Claim 1.

12. An aqueous dispersion prepared by a process according to Claim 9.

13. An aqueous dispersion according to Claim 11 for use as a water and oil repellent.

14. An aqueous dispersion according to Claim 12 for use as a water and oil repellent.